

# Product datasheet

Specifications



## iC60N - miniature circuit breaker - 1P - 32A - D curve

A9F75132

### Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
poles description	1P
Number of protected poles	1
[In] rated current	32 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 10 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2 15 kA Icu at 12...60 V DC conforming to EN/IEC 60947-2 10 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60898-1 Yes conforming to EN 60947-2 Yes conforming to IEC 60898-1 Yes conforming to IEC 60947-2
Standards	IEC 60947-2 IEC 60898-1 EN 60898-1 EN 60947-2

### Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	12 x In +/- 20 %

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

<b>[Ics] rated service breaking capacity</b>	27 kA 75 % conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 75 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 27 kA 75 % conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 75 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 15 kA 75 % conforming to IEC 60947-2 - 100...133 V AC 50/60 Hz 15 kA 75 % conforming to EN 60947-2 - 100...133 V AC 50/60 Hz 6000 A 100 % conforming to EN 60898-1 - 230 V AC 50/60 Hz 6000 A 100 % conforming to IEC 60898-1 - 230 V AC 50/60 Hz 10 kA 100 % conforming to EN 60947-2 - 72 V DC 10 kA 100 % conforming to IEC 60947-2 - 72 V DC 15 kA 100 % conforming to EN 60947-2 - 12...60 V DC 15 kA 100 % conforming to IEC 60947-2 - 12...60 V DC
<b>[Ui] rated insulation voltage</b>	500 V AC 50/60 Hz conforming to EN 60947-2 500 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	Trip indicator
<b>mounting mode</b>	Fixed
<b>mounting support</b>	DIN rail
<b>Comb busbar and distribution block compatibility</b>	Top or bottom: YES
<b>9 mm pitches</b>	2
<b>Height</b>	85 mm
<b>Width</b>	18 mm
<b>Depth</b>	78.5 mm
<b>Net weight</b>	0.215 kg
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	10000 cycles
<b>Connections - terminals</b>	Single terminal (top or bottom) 1...35 mm <sup>2</sup> rigid Single terminal (top or bottom) 1...25 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	3.5 N.m top or bottom
<b>Earth-leakage protection</b>	Without

## Environment

<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP20 conforming to EN 60529
<b>Pollution degree</b>	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
<b>Overvoltage category</b>	IV
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative humidity</b>	95 % at 55 °C
<b>Operating altitude</b>	0...2000 m
<b>Ambient air temperature for operation</b>	-35...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	1.8 cm
<b>Package 1 Width</b>	7.5 cm
<b>Package 1 Length</b>	9.5 cm
<b>Package 1 Weight</b>	125.0 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	8.0 cm
<b>Package 2 Width</b>	9.8 cm
<b>Package 2 Length</b>	22.5 cm
<b>Package 2 Weight</b>	1.56 kg
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	132
<b>Package 3 Height</b>	30.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	17.647 kg

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

RoHS Exemption Information Yes

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu RoHS Directive	Compliant with Exemptions
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations